



PIPE SIZE Ø	A	B	C	D
24" OR LESS	48"	4"	24"	6"
27" TO 36"	60"	5"	24"	9"
39" TO 42"	72"	6"	24"	9"

NOTE: NO GLUED FITTINGS
ALLOWED. GASKETED FITTINGS
ONLY!

NO.	DATE	INITIAL	REVISIONS
3	9/97	FMS	SLURRY UPDATE
4	6/04	FMS	SEWER STD DWG UPDATE
5	3/13	FMS	SS STD UPDATE
DESIGN: STAFF		DRAWN: SLN	APPROVED: DAP

NOTES:

SEE CONCRETE STANDARDS PAGE FOR
ADDITIONAL REQUIREMENTS.

SET JOINTS INSIDE & OUT 1:2 MORTAR,
ALTERNATE: BUTYL JOINT SEALANT ST-8, 1"
WIDE, MEETING FED. SPEC. SS-5-00210
(CSA-FSS).

FORM STRAIGHT "U" CHANNEL WITH SMOOTH,
VERTICAL MORTAR SIDE. 1/2 PIPE ACCEPTABLE.

MAKE ANGULAR CHANGES WITH UNIFORM "U"
CHANNEL, WITH SMOOTH CURVED PATH.
FINISH PIPE ENDS FLUSH WITH INSIDE WALLS.
MAKE CHANGES IN CHANNEL SIZE WITH A
SMOOTH, TAPERING TRANSITION.

PROVIDE MANUFACTURED FLEX JOINT WITHIN
12" OF OUTSIDE WALL FOR ALL RIGID PIPES
BY THE USE OF APPROPRIATE "ROMAC"
COUPLINGS OR APPROVED EQUAL. CAULDER
COUPLINGS NOT PERMITTED.

WHEN PVC IS USED, PROVIDE MANUFACTURED
WATER STOP. FLEX JOINT NOT PERMITTED.

SAND COLLARS REQUIRED WITH POURED IN
PLACE MANHOLE BASE IS USED.

IF PIPE DIA. IS GREATER THAN 42", "SPECIAL
MANHOLE STRUCTURE" GPSD #308 REQUIRED.

DROP MANHOLE REQUIRED WHERE SLOPE OF
IN- COMING LATERAL EXCEEDS 2% GRADE.
(SEE GPSD #302)

STRAIGHT FACE OF ECCENTRIC MANHOLE
SECTION TO FACE DOWNSTREAM.

RING AND COVER TO PROJECT 6" ABOVE
ADJACENT GROUND IN UNIMPROVED AREAS OR
TO BE FLUSH WITH FINISHED PAVEMENT
SURFACE.

FLAT TOP MANHOLE MAY BE INSTALLED WHEN
DISTANCE FROM RIM TO FLOW LINE IS LESS
THAN 4'6" AND WITH PRIOR APPROVAL OF
CITY ENGINEER. (SEE GPSD #309)

SEWER SERVICE LATERALS SHALL NOT BE
CONNECTED DIRECTLY TO MANHOLES.

WATER TIGHT LID REQUIRED IN FLOOD PLAIN,
OTHERWISE USE "2-HOLE" LID

CITY OF GRANTS PASS
ENGINEERING DIVISION

DROP MANHOLE

SCALE: NONE DWG. NO. 305